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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,443	09/08/2003		John W. Haley	081276-9100-00	1417
34044	7590	11/16/2005		EXAMINER	
		FRIEDRICH LLP	BENTON, JASON		
100 EAST WISCONSIN AVENUE MILWAUKEE, WI 53202			ART UNIT	PAPER NUMBER	
	,			3747	<u>-</u>

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/657,443	HALEY ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jason Benton	3747	
The MAILING DATE of this communication	appears on the cover sheet v	vith the correspondence address	*
Period for Reply	51	ACNITIVO OD TUUDTY (OO) DAYO	
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by sta	B DATE OF THIS COMMUN R 1.136(a). In no event, however, may a	ICATION. reply be timely filed NTHS from the mailing date of this communication	
Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	ailing date of this communication, even	if timely filed, may reduce any	•
Status			
1) Responsive to communication(s) filed on 9.	<u>/02/05</u> .		
,	This action is non-final.	·	
3) Since this application is in condition for allo	wance except for formal ma	tters, prosecution as to the merits is	s ·
closed in accordance with the practice under	er <i>Ex parte Quayle</i> , 1935 C.	D. 11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-37</u> is/are pending in the applicat	ion		;
4a) Of the above claim(s) is/are with			
5) Claim(s) is/are allowed.			
6) Claim(s) 1-5,7,8,10-13,15-18,20-24 and 28	-37 is/are rejected.		•
7) Claim(s) <u>6, 9, 14, 19, and 25-27</u> is/are obje			
8) Claim(s) are subject to restriction an			
Application Papers			
·	ninor		∵
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a)		hy the Examiner	
Applicant may not request that any objection to		•	•
Replacement drawing sheet(s) including the cor			d).
11) The oath or declaration is objected to by the			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			• •
1. Certified copies of the priority docum		Analisation No.	
2. Certified copies of the priority docum3. Copies of the certified copies of the priority docum			
3. Copies of the certified copies of the paper application from the International But	•	Treceived in this National Stage	
* See the attached detailed Office action for a	•	t received.	
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		•	4.
Attachment(s)		0 (070 (40)	,
I)	• ——	Summary (PTO-413) o(s)/Mail Date	; ₋
 Notice of Draitsperson's Patent Drawing Review (P10-946) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 	′	Informal Patent Application (PTO-152)	•

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, 7, 8, 10-13, 15-18, 20-24, and 28-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Fredriksson et al.

The patent by Fredriksson et al. (6,412,466) shows an intake manifold (15) with an intake passageway (4, 5, 6, 7, 8). A fuel injector (9) is in communication with the intake passageway. At least a portion of the fuel injector (18) is molded into the intake manifold.

A fuel rail (19) is coupled to the fuel injector.

The intake manifold has a fuel passageway (19) defined therein. The fuel passageway is in communication with the fuel injector. The fuel injector is entirely molded into the intake manifold such that liquid fuel transferred from the fuel passageway to the intake passageway via the fuel injector, and hydrocarbon emissions, are substantially prevented from leaking outside the intake manifold (Col. 3, line 46 – Col. 4, line 8).

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A fuel rail (19) defines the fuel passageway, at least a portion of the fuel rail is molded into the intake manifold.

An interface (22) between the fuel rail (19) and the fuel inlet of the fuel injector (9) is molded into the intake manifold.

The fuel rail includes a fuel rail inlet that extends from the intake manifold (20).

The intake manifold includes a middle shell (15a), an upper shell (15b) coupled to an upper portion of the middle shell, and a lower shell (3) coupled to a lower portion of the middle shell.

The combination of the upper shell and the middle shell defines in part the intake passageway. The fuel injector is at least partially molded into the middle shell.

An electrical connector (10) is coupled to the fuel injector, the electrical connector being at least partially molded into the intake manifold.

The fuel injector is in communication with the intake passageway to selectively deliver fuel to the intake passageway, the fuel outlet is molded into the intake manifold.

The coupling of the upper shell to the middle shell includes one of welding, bonding, and using snap-fit engagement.

Allowable Subject Matter

Claims 6, 9, 14, 19, and 25-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

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Applicant's arguments filed 9/02/05 have been fully considered but they are not persuasive. It is the view of the examiner that the end section of the manifold (18) can be considered a portion of the fuel injector. It is further the view of the examiner that fuel rail (19) is molded into the intake manifold. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Benton whose telephone number is (571) 272-4838. The examiner can normally be reached on flex.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JB

Noah P. Kamen Primary Examiner